

Synthesis and structural characterization of (*E*)-4-((2-hydroxy-3-methoxybenzylidene)amino)butanoic acid and its novel Cu(II) complex

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Supplementary Information

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Crystallographic data

Supplementary Table S1. Hydrogen bonds in **1**.

Interaction	<i>D</i> -H (Å)	H···A (Å)	<i>D</i> ···A (Å)	<i>D</i> -H···A (°)	Symmetry operation
O(2)—H(124)···O(3) ⁱ	0.84	1.77	2.614 (4)	173	(i) $-x+3/2, -y+3/2, -z+3$

NMR Spectra

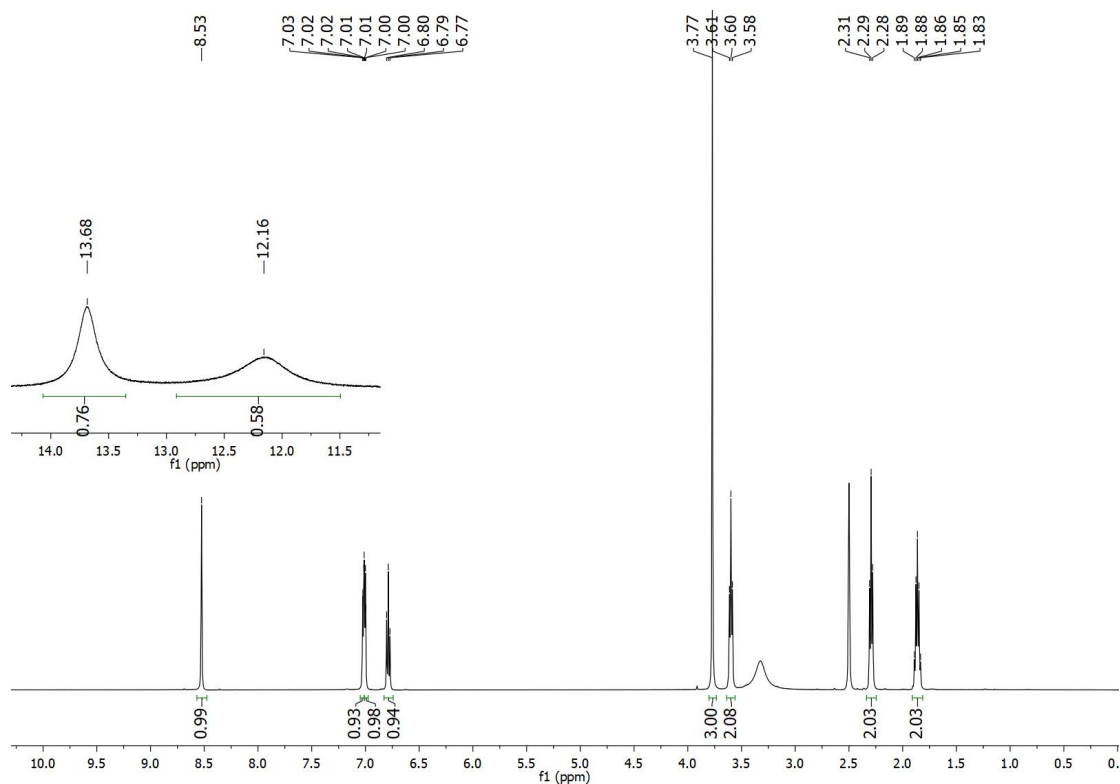


Figure S1. ^1H NMR spectrum of compound **1** in $\text{DMSO-}d_6$.

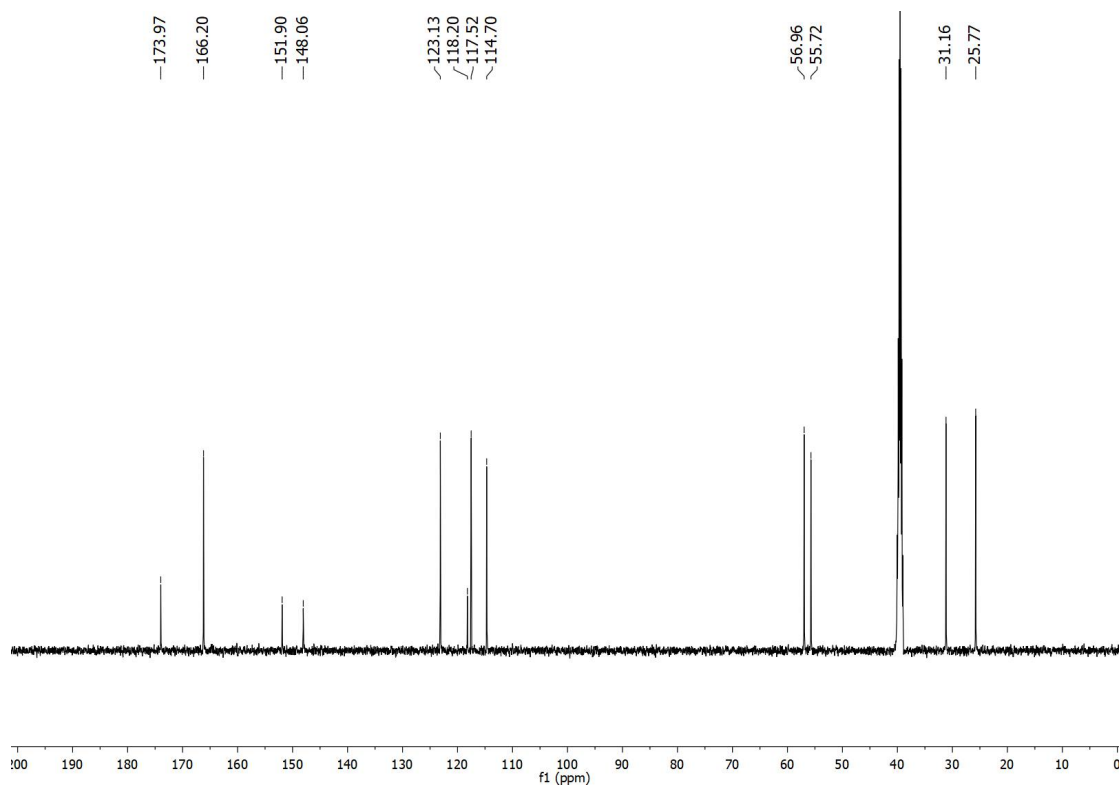


Figure S2. ^{13}C NMR spectrum of compound **1** in $\text{DMSO-}d_6$.

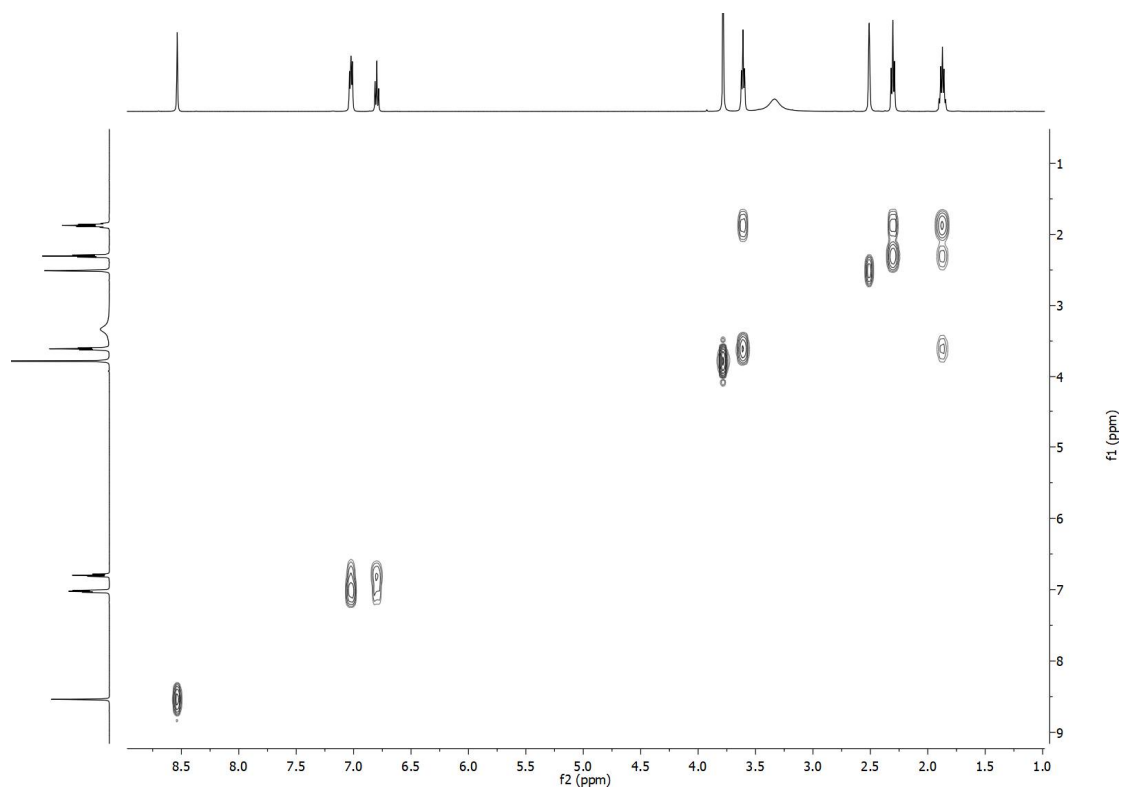


Figure S3. ^1H - ^1H COSY spectrum of compound **1** in $\text{DMSO-}d_6$.

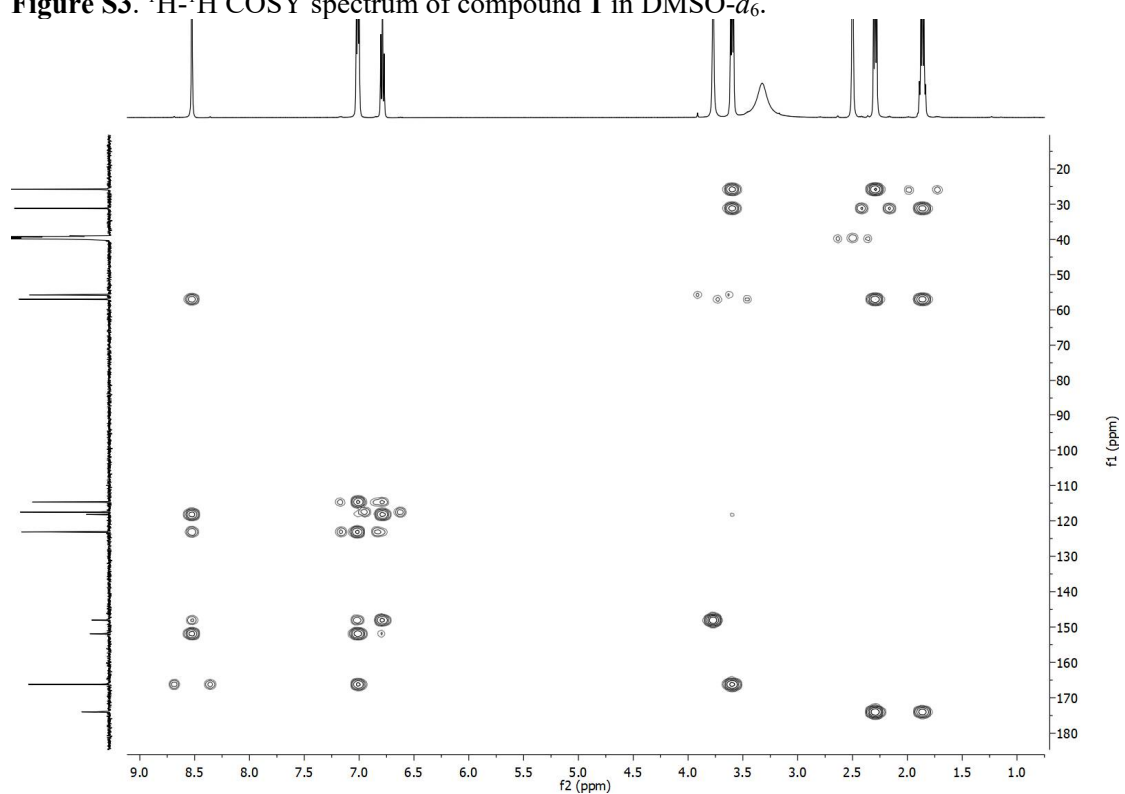


Figure S4. ^1H - ^{13}C HMBC spectrum of compound **1** in $\text{DMSO-}d_6$.

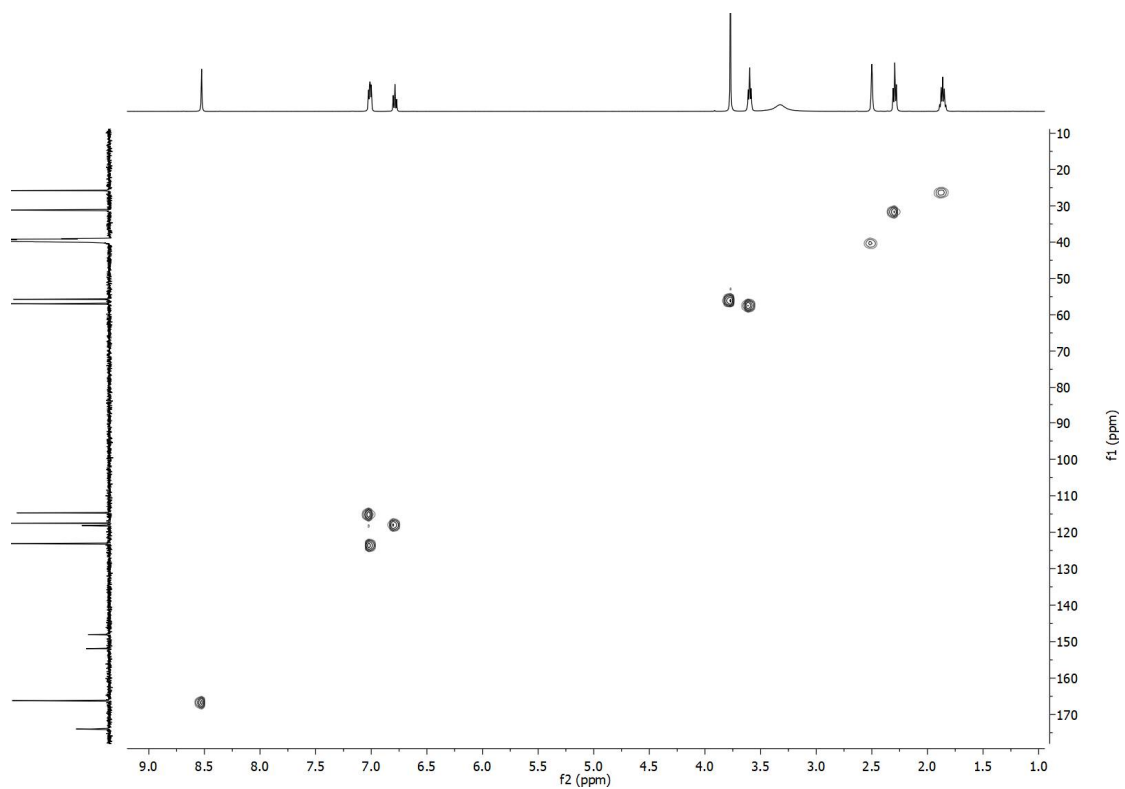


Figure S5. ^1H - ^{13}C HSQC spectrum of compound **1** in $\text{DMSO-}d_6$.

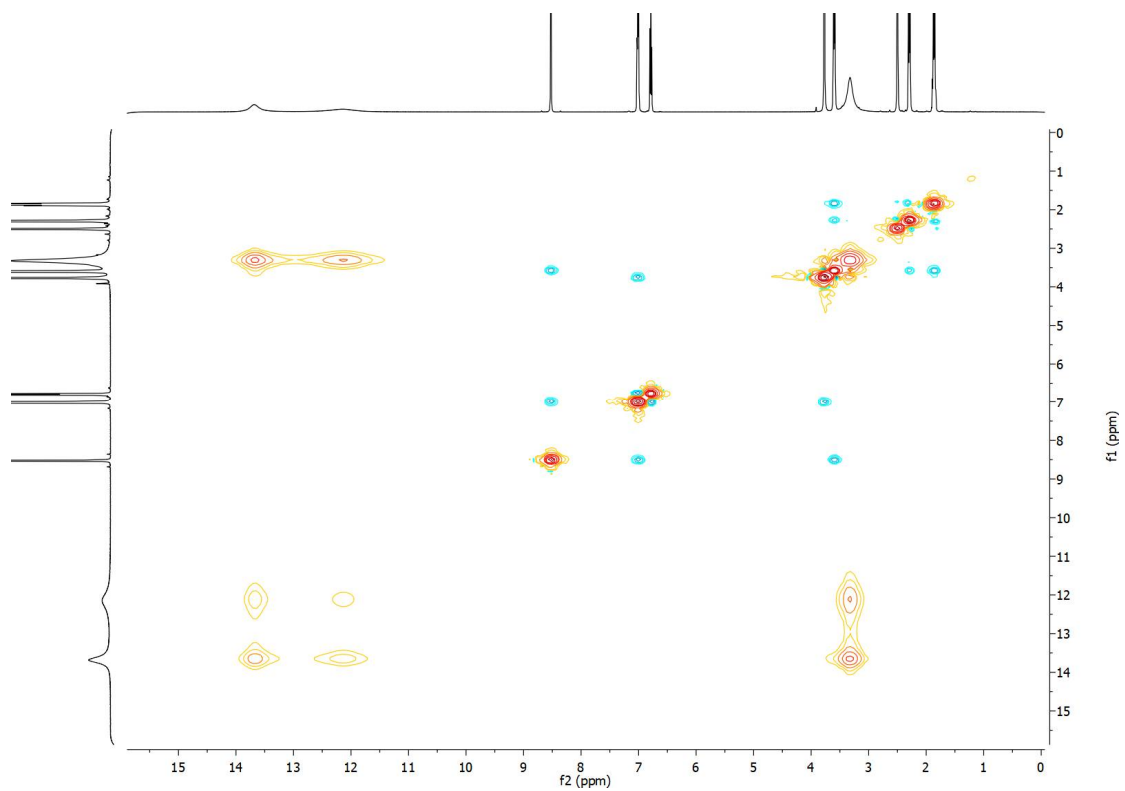


Figure S6. ^1H - ^1H NOESY spectrum of compound **1** in $\text{DMSO-}d_6$.

FT-IR Spectra

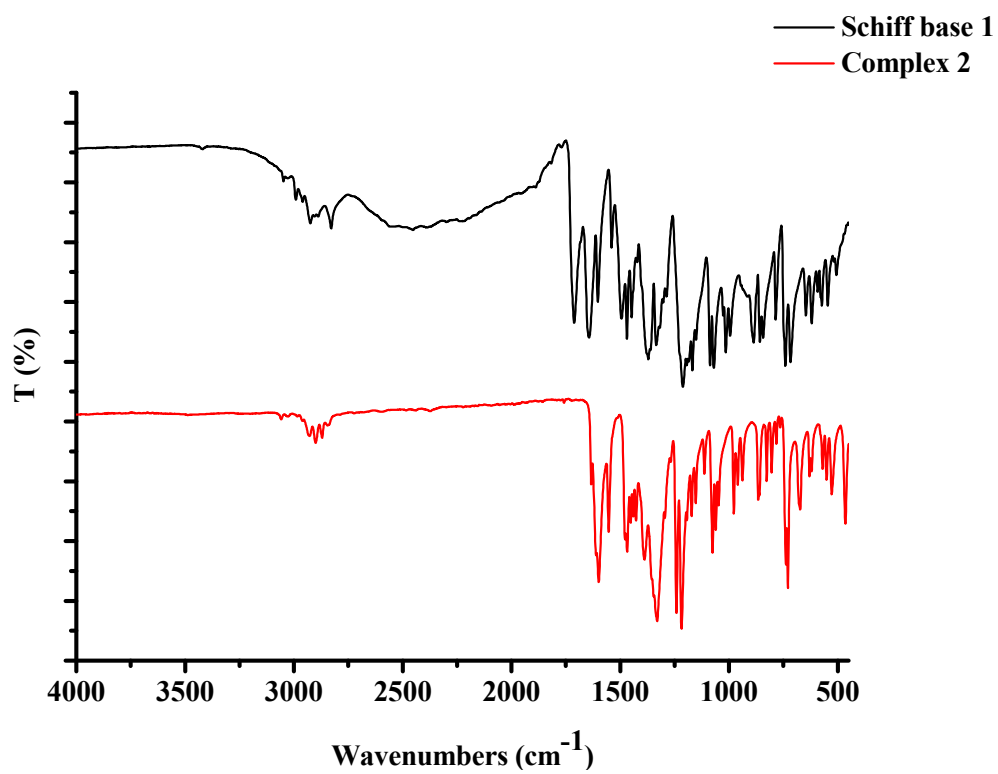


Figure S7. FT-IR spectra of Schiff base 1 (black line) and complex 2 (red line).